

ABSTRACT

[0093] An automatic parking system having at least one parking level, the system comprises a plurality of transporters moveable in any direction about the parking level, wherein each transporter is adapted to hold a vehicle thereupon; at least one central computer that is configured to wirelessly direct one of the transporters to move to a desired location to form at least one arrival and/or retrieval circulation path. The system includes a transporter tracking system which tracks the locations of each transporter; and alternatively, at least one lift mechanism which vertically transports the transporter to a desired parking level. The system includes access bays configured to position an arriving vehicle onto and remove an exiting vehicle from the transporter. The system preferably includes storage devices to accept, release and recharge one or more transporters. The system preferably includes entry stations which measure the vehicle dimensions.